

June 1990

Field notes PdA—

* visit BLTs + Morro do Diabo

— Long encounters between Poço Pequeno + Cucador

— Testing use of PBs for census with Caissara ~~GO~~ ~~Lucia~~ Lucia + Vanessa

— Following Aristides group: How many LCs before encounter?

— First visit to União: PB but NR

— staff on strike - 1990 fire + V#

Andrerê
B day

29 June 90

Remember
co-chair
chrysopygus

Brazil trip

6/18/90

send Jo Cypres

McArthur

Ask for chrysomella

Fazenda União
has 2500 ha
forests.

Remember; ask
Denise & Fernando
for annual
report.

need watches

June 18-24

Belo Horizonte
at

Leontopithecus

Workshop

includes PVA

analysis

meetings w. Ithama

dancing

also

Diabo

1

0615

tomorrow

also T

to

< 20

m

June 24-

Fly B. H. →

Sao Paulo →

Teodoro Sampaio

→ drive to M. do Diabo

arr. @ 10:40 PM

25 June 90 up at 0615
on the rd. dead tamarins

0840 contact w/

group 5 animals +

2 inf.

Passed 2 ocelots
on tree — were < 20
meters from them.

10⁰⁰ Cont. following
group. Open forest
heavy litter.

Rains: Jan - Feb

1045

One animal
caught lizard -
juvenile + SA ♂
with lizard.

Bromeliads on ground w/
spines. More open forest.

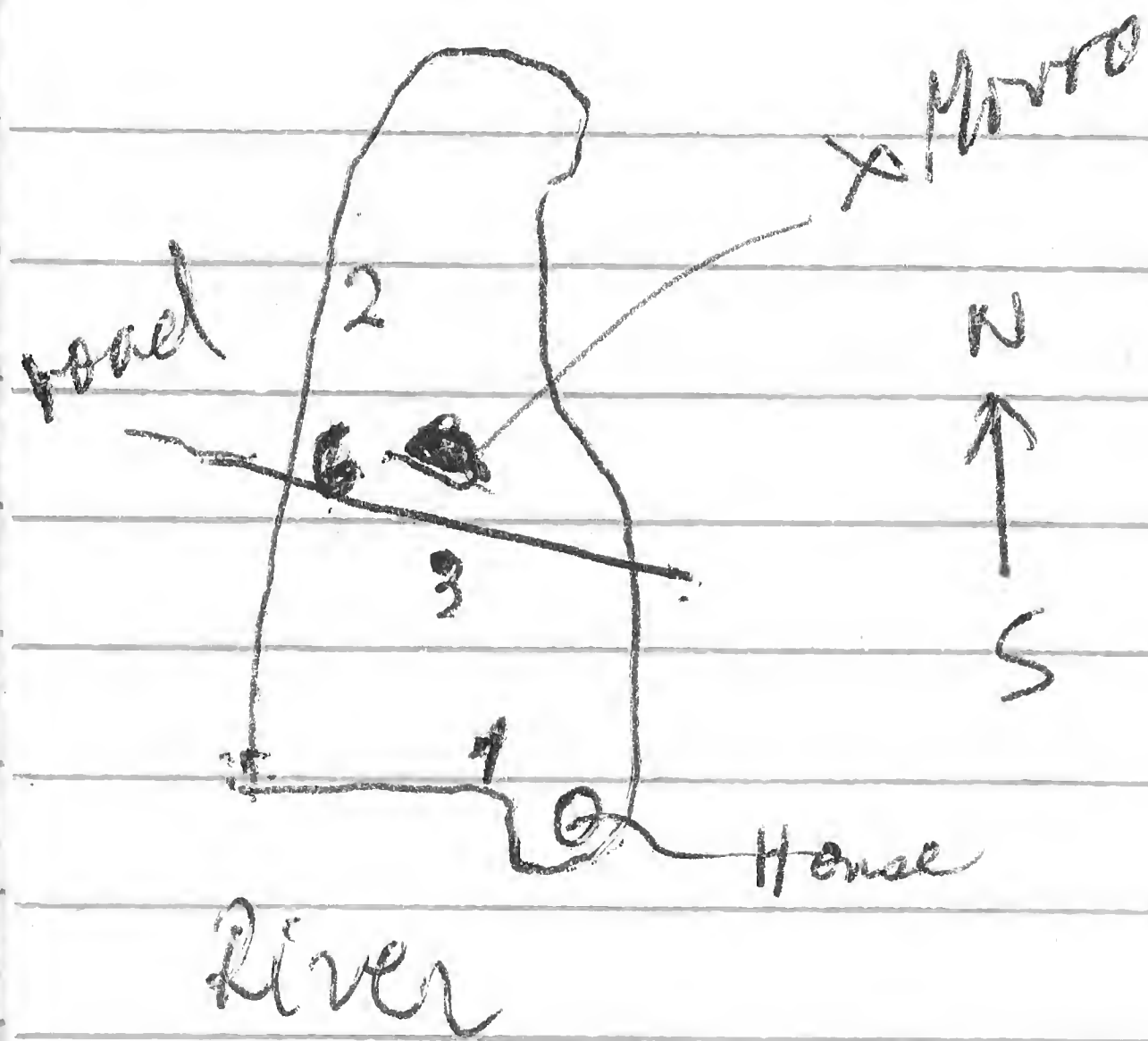
Voca seem higher -
pitched & perhaps
faster than CITS

Call use is identical.
I heard an SC KC
& LCC from ~~the~~
animals in the group.
Only a very brief set of
clicks. LC when
group is separated.

Temp. cool (~ mid 60s)
Began to rain.

Field workers: Techniques
of capture & following;
baiting; Claudio
following 4 groups in 4
group close to River

different regions. Hasn't
tattooed all animals



Took 4 groups ~~that~~
that would cover a range of
habitat types.

These groups interact
with animals that are
completely unknown.

6/26/90

- Raced up Morro
Cloudy + difficult
to see forest

~10³⁰

Pr of toucans
agouti tracks
~~agouti tracks~~

11⁰⁰ hrs

Alouatta fusca
two animals
♀♀ red + ♂
black

from top of Morro.

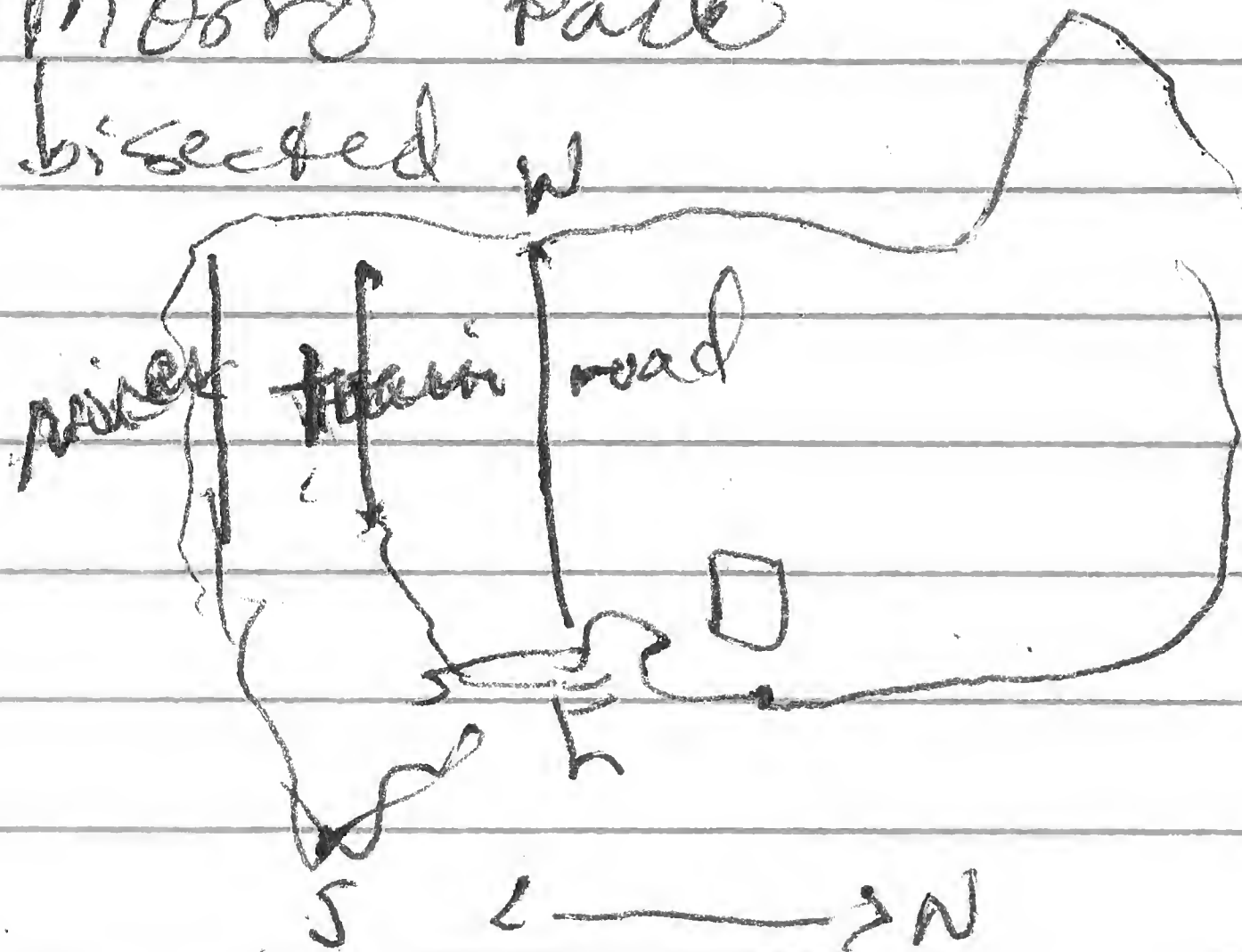
1140 Group of
6 + Inf.
Alonella fusca
in large open trees

1220 P.M. Group of
3 King
vultures overhead
" wrubu ~~by~~ rei"

Helder on radio
program re: garbage
Helder park director
3 mos.

Garbage problem @
7 mo. old - at
former CESP airport.

Moore Park
bisected w



children Andre
Felipe
Joanna

Walked Thru Suzana's
ML Preto trail with
Andre, Arnaldo, Sandra
Jo Jeremy Edward
Wheatley, Claudio &
Suzana.

World Cup England > Belgium
Jeremy +
dinner at CESP club +
lambada lessons
11 yr olds on motor bike

6/27/90

0700 Bkfst
discuss w/ Sandra +
Clandio re:
behav. study that she
could do.

0900 out by boat to
2nd study area.

By boat →
River group
Trip takes @ 40'

~ 0940 - Trail towards
group

~ 1000 CP began

Playbacks of LC +
LCC.
beginning @ 100m
from animals
(estimated)

In field w/
CP - Jo Gipp
Ed. Wheatley
Sandra
Andre
Tracher

Contact w/ group
1025 LC response
@ 20 m from
us
1026 another LC.

1028 Visual contact.

1030 2LCC
4A + 1J.

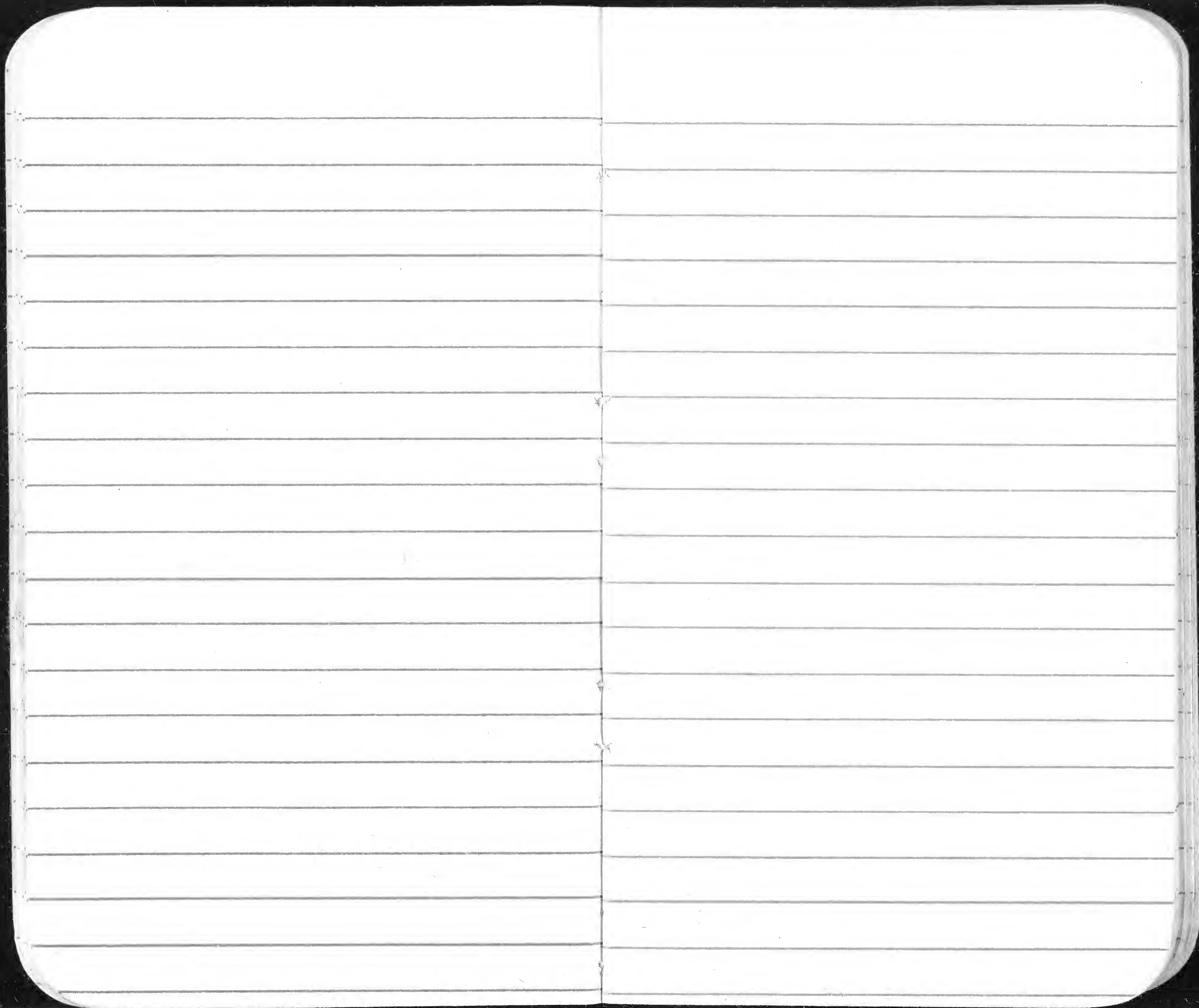
1031 2LCC

1032 2LCC

1034 4LCC

group separated.

1040



1045 2 BLT

w/ frog -
followed by 2nd
animal.

I attempted F. Sten.

1050 - Single animal
drags frog. CP collect

1055 → fruit tree
feeding on fruits.

1110 Animals moving
slowly - w/ us

1115 Still moving
northerly direction
mm + feeding
on insects

11²⁵ Still feeding on
insects.

11³⁵ At fairly tall
tree - CP says
feeding on gums altho
not chewing on
trunk

11⁵⁵ AM - Animals
Very high up in a
tree w/ few leaves,
Prob. resting.

1200 - Group huddling on
large horiz. branch, AP

1204 PM CP did
soft PB of LC
then LCC

~~#~~ 2SC
1LCC

very rapid response.

1 ♀ moves immediately
up tree

1206 Grp breaks up
@ begins
moving beyond

1208 Another PB -

Ommmed LCC

Another PB

LCC + Clucks.

+ Clucks

Another PB

1210 "

"

Quiet,

Move towards grassy

Return to original
tree

1215 +

Boat not at entry
point - We might
have a 10-12 km
walk or

try to ~~not~~ see
if workers docked
at another
point.

1330 Reach site
of other boat
altho Tracher
called, +
got a response Gant
1315,

14:30 Returned to
house for late lunch

Showered, packed,
talked w/ Claudio
re: development +
Sandra's project.

Left Morro at 1730
Left Presidente Prudente
1920 hrs

in 12 seater.

One stop but didn't
arrive into Sao Paulo
until 10 PM. Barely make plane.

Paid \$200 cash
for 2 Ponte Aerea
tickets - supposed \$190
but man gave me \$58 change
in C3.

am
0230 hrs

6/28 up at 0845
Jo C. + D out w/
Andrea

→ LA site 0930

↑ morro ↓ hill

1000 still haven't found
group.

1002 Contact. They
are in thick
scrub.

♂A LA3	T ₁	can rad.
♀SA LA6	T ₂₄	
♂SA LA5	T ₄	radio
♀A JS	—	To

10³⁰ We've taken some
pictures - Animal
feeding on large
green fruits.

LA5 fought w/
209 @ 19 June
left group, returned
2 days ago.

10⁴⁵ 2LC

10⁵⁰ 2LC

Animals are high
(10-12 m) in tree
(thick) near open
area - seem to be
resting.

11⁰⁵ 2 more LCCs
Animals were
separated & are
resting.

11¹¹ 2LC

SAs are playing

11²⁰ 2LC

11³⁰ Continued
playing / resting
not moving.

noon

Foraging for insects

12¹⁵ group begins
moving

12³⁰ Finished.

→ Silva for calls

→ Boi Bronco to see
visitor ctr,

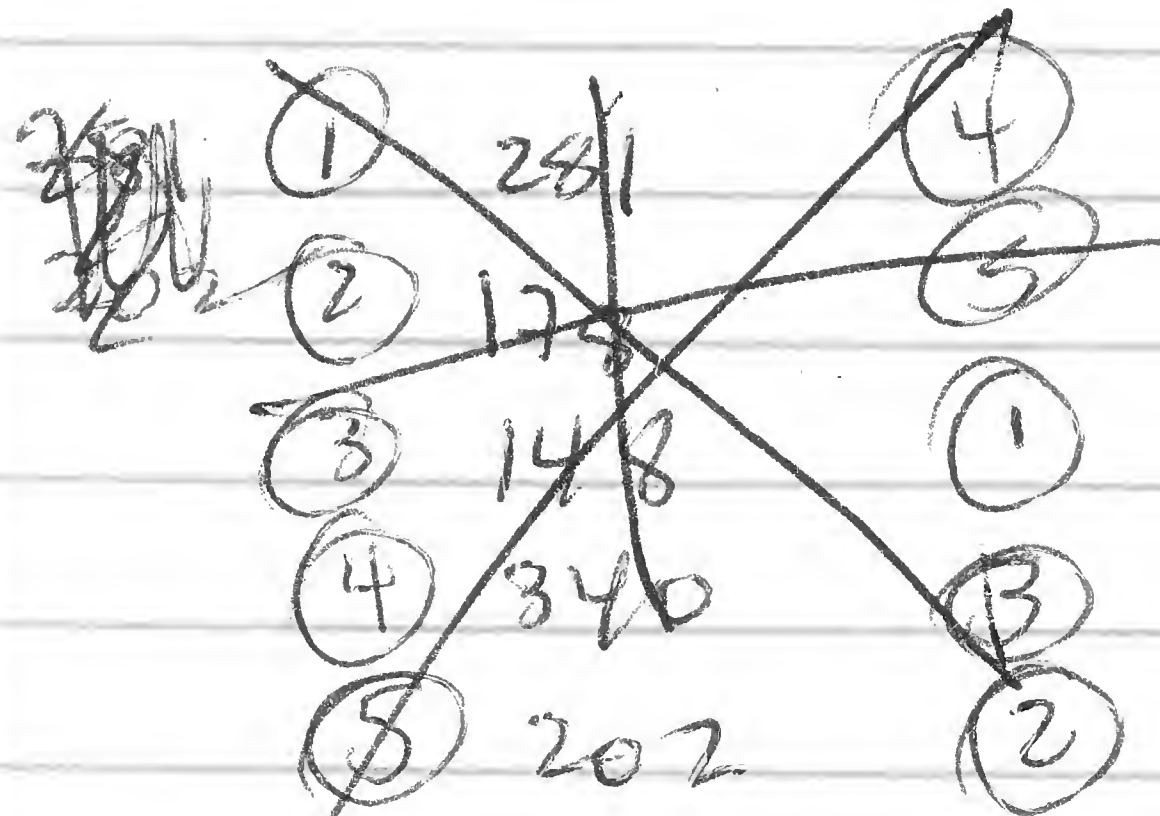
→ horse to speak
w/ 2 women from
Cassara

Spoke w/ Dionisio @ Fern⁺
Spoke w/ Andreia ^{Elvira}
@ Fernando -

6/29/90

left side)

- ① 148 AO → T4
- ② 178 AO → T24 radio
- ③ 202 AO (RF) T1
- ④ 281 SA → (2 yrs) T1 34
- ⑤ 340 JO → (8 mes) T3



Out w/ Ely, Claire
+ Lisa to work w/
Poco Pequeno.

0915 Contact w/
group -

~~the~~
Begin LC
immediately.
Ely suggests we
w/ Caealon.
Right leg.

The 3 ♀ + group
is de junko

	A♂	T ₁	
	A♂	T ₂₃₄	T ₀
+	A♀	T ₄	rad
	RF	T ₁₃	
+	AF	T ₁₂	
+	SA♀	T ₃₄	
	SA♀	T ₄	
	J♀	T ₂₄	
	J♀	T ₁₄	

0935

Most of PP +

T₁₃₄ stays + plays

0940 Group basically
split altho
some LC

0950 The gyps are still
close w/ occasional
LC.

1010 @ 50 m
between gyps

T_{1,3,4} had been
playing w/
animal from
Cacador.

1105 Group T₁ + T₂₄
have been agl
in sim.

Cacador group

to 30-50 m
away — in
vision.

11¹⁰ Begin encounter
clucking —
Cacador app.

→ 1150 Helping
Claire + Lisa
do ~~some~~ focal
obsrv. of encounter
behavior.

1155

Arrival from Cacador
nearby — AOT To 634

1230 — 1300 lunch.

Discuss Protocols

1330 — T34 returns to
group from other
group. Has been w/
other group as long as we
are with P.P.

1332

Cacador has left

PP begins moving
back in direction
from which they came
~~They been To~~

Play between T3 +
T1 34.

1400 Group
moving +
foraging,
→ got grasshopper.

1430 Grp moving +
foraging.

~ 1640 Grp enters
"oco" right on
border of pasture
with mata -
We are outside.
The official

Reserve in the neighboring
fazenda.

We return to Rudolfo
Abde via the trails.

It takes about 40'
agouti on road home.

Return to house.

Decide against going to
hear debate in Silica
about ecology.

It's Andreas' B'day, but
I don't have anything +
I need to talk with the
"girls" from Parana
who study the
"Caissara".

I explain @ PBs
Lisa G has lost or

had stolen the
male + female tapes
to do studies of
♂ and ♀ response
to ♂ + ♀ PB,

Both were mugged
~~Don't~~ in Rio.

Claire had stolen
binocs; compasses;

~~the~~ Lisa had stolen
nets for mosquito netting
2 large flashlights +
now has "lost" 2
important tapes;
headphones; +
a box of AA batteries

30 June 90
— Suzanna missed Andreia's party while
Out to Reintro ^{drinking beer w/}
with Andreia + ^{Signal}
2 women from
Curitiba studying
L. caissara.

→ LA group
0930 hrs.
PB LC ♀ — immediate
response +
approach

0949 PB LC ♂
III III II
several w/ ducks

0950 PB LCC ♂

Continued clucking

→ in front

0953 — break in
calling

(3' continuous clucks)

0959 They have
moved beyond the
speaker + 2LC

1007 2LC

The animals
have moved down
the hill.

→ 1015 PB LCC

Immediate response
LC but very
short.

1020 Group appr. vs.

1022 LC

group has passed

vs.

1024 BLC

2LCC

35 LC

1026 2LCC

1028 LC, LCC, LC

1030 LC, LC, LC

1031 The group returns
in our direction.

1040 2LC

1044 1LC T4

1106 hrs

We moved 70-80 m
downhill + PB of
LCC.

No response.

1107 PB LCC again

No response

1110 Moved to @
60 m distance

PB w/ LCC
response. hums

Thought they were
only 30 m away.

+ group

1202-1206 Did 3 PB
of LCC @ 50 m
below riverbanks
group. Had audible
response to PB #2 + #4.

By PB #B, they had
moved closer to us
(audible diff.)

1230 Looking for
Donaha group

1239 Did LC PB
no response immediately.
(@ 70 m. distance
behind Bb)

1240 did LCC
no immed. response

1245 LCC @ 40 m
from group
(according to Nelson
They were eating
heard The PB + I
started moving to
PB site)

1247 PB LCC

1253 2 LCC PB

no response.

1255 +

Back to house
lunch, meditation
writing notes, shower
talked w/ Suzanne
re: Elvira

Lundau 1 July
9-12 meeting! Fernando
1-3 " re: Elvira
w/ Denise Anderson Reg.
Pinto

3-5 Meeting with Ken.
Denise, Lisa re:
re distributing budget.

Mond 2 July

Suzanna office: attempted
break-in w/ crow-bar

meeting & working w/
Fernando on annual
budget

Intro: subv. @ 13³⁰

3 calls to DC

re: tapes

Jody re: Elvira

Picked up zigue +
finally returned to
Reserve.

Dia de Oco - crowded
Lisa + Clavie
doing well

3 July

0615 Arr Oco of
Arrotes -

0625 Group emerges
from hole in

Oco @ 12m high
Tree @ 20m¹¹.

Grp v. quiet.

0635 Group begins
moving ↑ now
I can hear SC.

To RF ♀
T₂₃₄ A07
T₂₄ ♀ red

T₂ SA ♀
T₁₃ J ♀
T₄ J ♀

0640 LC —

many SCs
0642 moving ↑ hill
Some SCs.

0646: T₂₄ LC

0655 LC

0659 LC, LC

0700 LC, LC

0702 LC, T₄ ✕

0703 LC, LC, LC

(all LCs from
top of hill)

0704 LC!
LC

0705 LC

0706 2LC

0710 2LC

0712 2LC

0715 2LC

SC

0717 LC T_{2,4}

0725 SC

LC

0728 LC
many SC

0752 - Group
moving downhill.

0756 2LC

0759 LC

0813 LC

0815 LC LC

LC +

mp. Nooping.

0825 LC

0831 LC

0835 LC

0841 LC LC

0846 2LCC

0850 3LC

0852 LC, LCC

0849 LC

0850 LC LCC

0855 T₃₄ HCC, LC

0856 LCC
LCC LCC

0858 LCC

LC LCC

LC LCC

continued Cl.

0900 LC

HCC, LC

LC, LC
LC

0906 LCC LCC

T₂₃₄ LCC (3cl)

0910 T₂₃₄ 4 LCC
LCC (2cl)

T₂₃₄ LCC
contin. cl.

0913 Continued LCC by
group
LCC mainly by
T₂₃₄.

0915 LC, LC -
Near another group
down the hill.
SC SC SC
SC
LC SC SC

0924 1234 cho 124
(also did before)

wild group down
hill calling
were moved down
hill.

Group below is
clucking.

@ 70 m
between groups

0925 LC SC

LC
Group calling from
down hill.

0926 LC . LC

SC SC LC

0928 SC LC LC

other group not
responding.

LC LC

0930 SC SC SC

SC LCC (4cl)

LCC LC

LCC (7cl)

LC

0931 LCC

LCC (2cl)

LCC (1cl)

LCC

0934

T234 LCC

T234 w/ many cl
2 more LCC

0938

T_{1,3}; T₂ have
moved into
encounter

T₂₃₄ cont. calling
To apparently is
holding back.

T₂₃₄ LCC LCC

Continued LCC

0942 T₂₄ T₂₃₄

To NV

0951 Group down
moving into

breju towards
other group for
encounter.

10⁰⁰ hrs.

We stay on road.

Group is non-habit.
+ Ely doesn't want
to disturb the
natural behav.

10⁰³ —

Some LC in
distance still
heard. Resp
by juvs.

10⁰⁵ — 10²⁰

Seemed to be
periodic encounters
Noise, but some
feeding.

Dsh uses faulikes

10²⁰ Group feeding.

10²³ LC T234
10²⁶ T234 3LC

10³⁰ Begin moving
v. fast + Thrul
breju tow.
another encounter

1044 moved
thru miserable
undergrowth
following LC

1046.

T234 been LC
Continues LC. Seems
lost.

Ely walks us out
to path + we
walk around the
bit of forest.

End up half way
up hill - Ely
pules out radio

1106 Contact w/
grp again

11/10 - 11/25

Resting feeding
no one

11/25 Can hear
howlers. NW
of one form
in brya.

11/29 LC from
G.F.

11/31 3LC from
Ari

Quit forcerls @
11 40

+ group at noon

Return to house

Spine in calf muscle

Zigue removes spine

Talk w/ Elvira.

Talk w/ Claire + Lisa

Talked w/ Zigue

Dinner + dish ~~ing~~
washing

4th July

0845 → Fzda União.

RR Fazenda

has 3,726 ha

@ 750% in 1° + 2°

forest + breja.

lots of eucalyptus
planted.

600 ha protected

Ricardo is manager -

went to Vicosa w/

Whitson, Denise,
+ Fernando, // same

time!

Moving by tractor

0925 PB LC, LC, LCC

--- no response

0935 PB LCC 2X

no response

0936 PB LCC -

0938 +

0944 3LCC PB

0945 2LCC

0948 NResponse. +

10⁰⁴ 3LCC

no response

On foot.

10¹⁵ 3LCC

10²⁰ NR

10²² 2LCC -

10²⁵ NR

10³² 3LCC

10³⁶ NR.

We walked along former
timber road -

Very lovely primary
forest, ~~just~~ along
main road lots
of eucalyptus.

Discussed poss. of using
eucalypt. for regeneration

Man who took us
around Ricardo

went to Vicosia w/
Fernando Denise
+ Whitson

Had lunch at
Hotel Fazenda

Went to Boi Branco
for general
meeting.

Discussion about
slow-down/strike;
letter from us;

Return to house
@ 4:30 PM.

Music: Carly Simon
radios - Joan Armat.

Do the Right Thing!

Jamilton radio pgm.

Annoyance w/ Lisa
Social Director
Insensitive

5 July

General good byes
Suzanne car

Pictures of fire
damage & Suzanne's
study area

Andre pictures

→ Rio w/ Fern.

Stop in Rio B. - re:
Suzanne car.

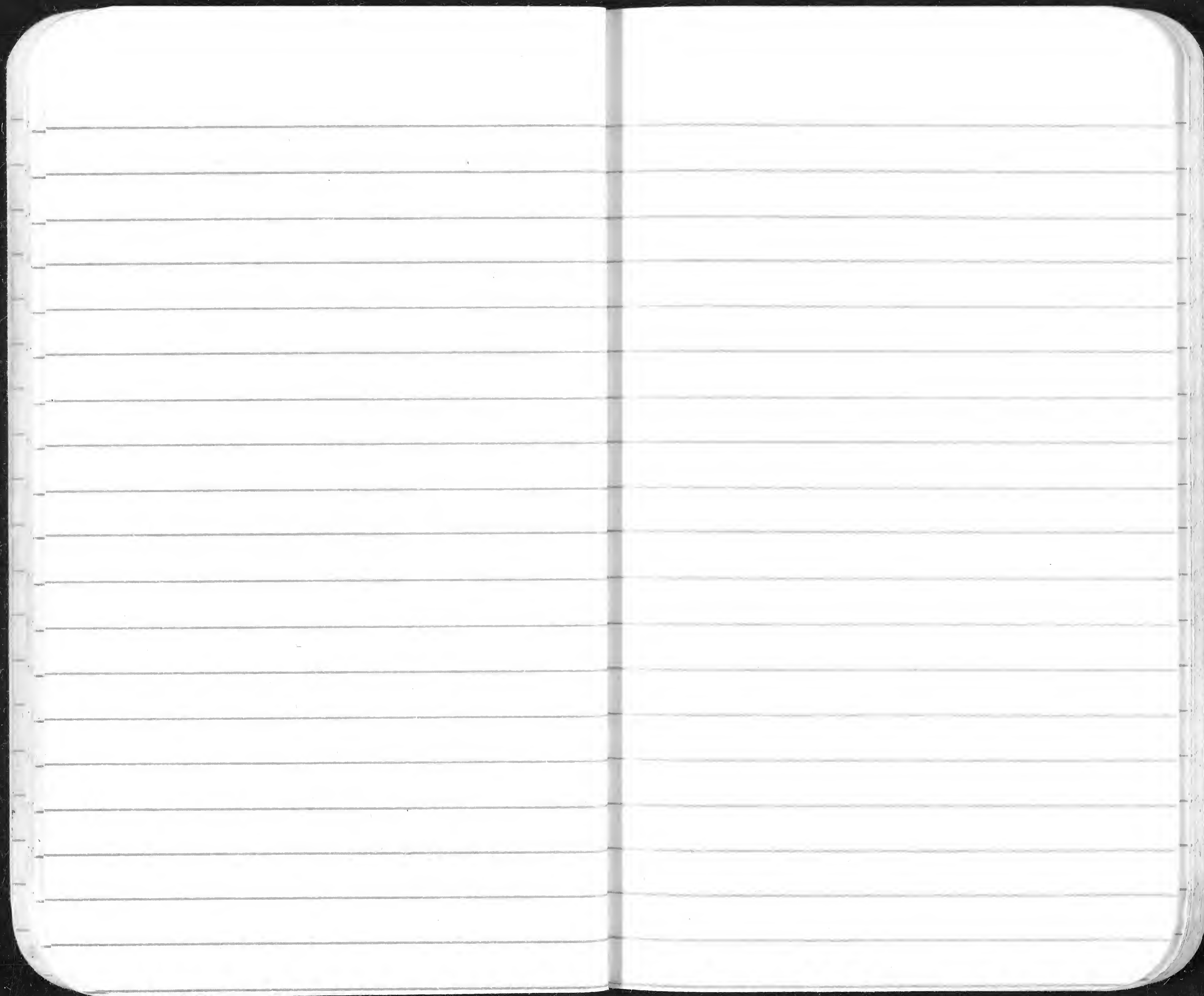
→ FB CN

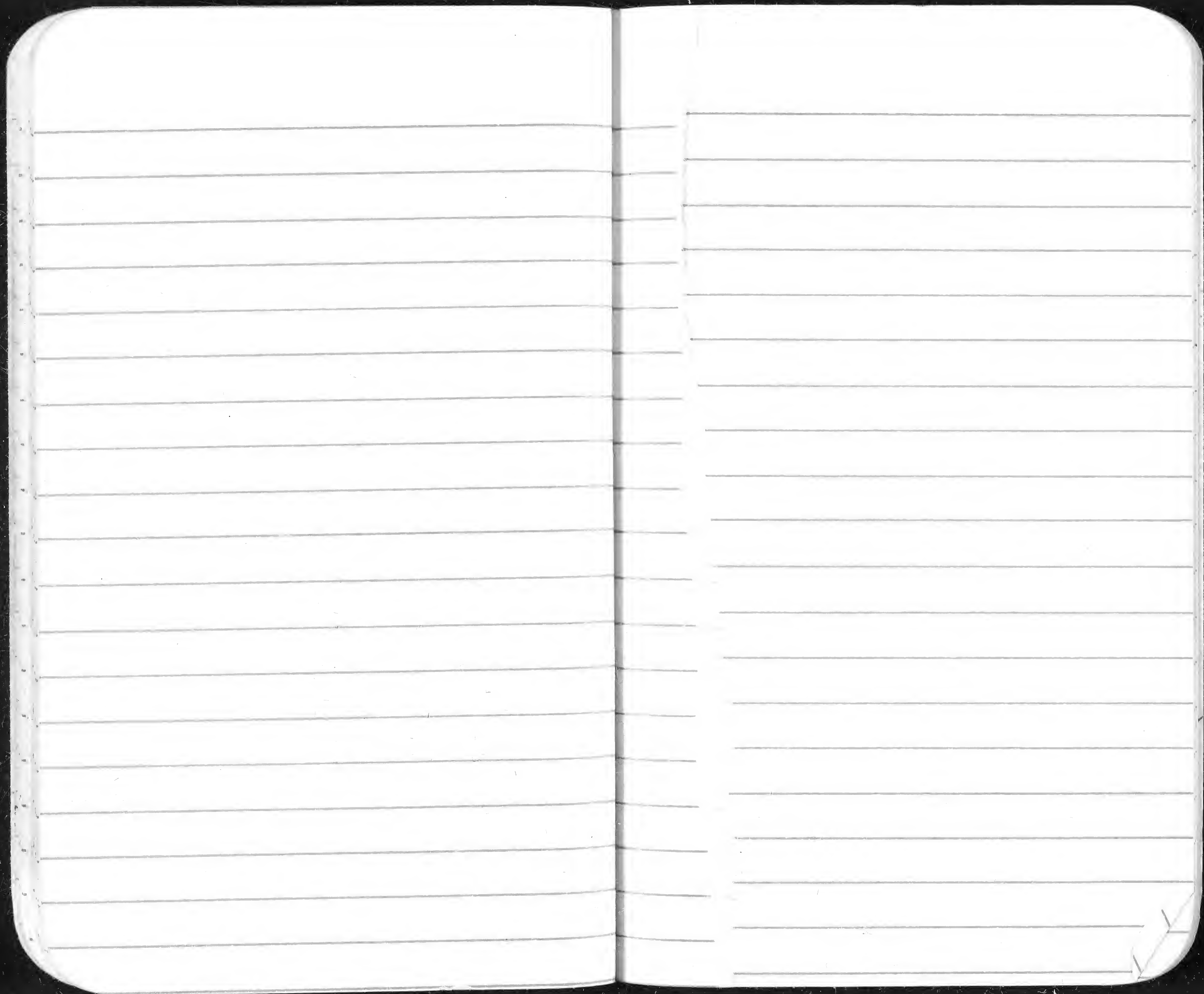
→ \$ Cambio -
Del protecting car

Purchase tapes
→ airport

bump into Jim + LA
re: stolen monkeys
B. Marinho +

Herci + Dionisio
subre ISSO.





4 July

29-20th Fzda União

(#6) ASA 200

4 July 90

1-8 Forest at Fzda União

9-11 Eucalypt w/
regener. mata

12-15 The project
personnel

5 July 1990

16-36 The area
of fire, house
frame

(7) # ASA 200 Elita

1-36 Suzanne
project:

house roosters
Andre -

④ ASA Koda 200

27 June 90

→ 14 Morro

28 June 90

~ 15 → 36

LA Group

PdA.

⑤ ASA Ekta 200

28 June 90

#1-10

LA Group
Remotod.

11-22

Clave Lisa bromeliads
with Poco Pequeno.

3 July

→ #28

bromeliads in
flowers

climb + use

③

ASA Ekta 200

1-12 overlooks

12-14 Morro do Diabo

from a distance

15-22 butterflies/ants

27 June

River -

CP house

26-31 BLT w/

Gray

→ 36 BLTs

FILM

#1

6/19/90 ASA 64 Kod.

1-14 Metro ~~Miami~~ Zoo
including
chimp gorilla, Kerk's
dikdik, gaur,
Indian rhino
? Arabian oryx

6/25

15-36 Morro do Diabo

#2

ASA 200 Kod.

1-14 Morro. - BLTs

15-22 Tapir.

3.

23-36 Morro -

on the hill & rolling

① the letter ^{was} written
by us

② coord. + Fernando
can make firing
decisions - ^{we have} confidence

③ Want to reward ⁱⁿ
merit

④ may want to develop
firm job descriptions
w/ ~~the~~ ↑ salary
for good work.

⑤ Situation of \$ not
under our control

⑥ Grants need to be
developed 12-18 mos
in advance

coord. + Fernando
have authority.
Obviously they
will consult with us in DC.

⑦ not a business or gov't
\$ depend on good work
- on progress.

⑧ Strike was inappropriate
Fernando had spoken to
us @ ↑ salaries as
early as last year
Novembro.

⑨

① always happy to
be here

② Know that the
situação has
been bad
five e o dollar

③ ~~the~~

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